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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/041,760

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Bum-sik Yoon

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EXAMINER

VENT, JAMIE J

ART UNIT

PAPER NUMBER

2621

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
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3 MONTHS

01/22/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/041,760

Applicant(s)

YOON ET AL.

Examiner

Jamie Vent

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-22 and 26-30 is/are rejected.
- 7) ☒ Claim(s) 5-8, 12-15 and 23-25 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 6001, 10/2003; 10/2004; 10/2005
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Allowable Subject Matter

[claims 5, 6, 7, 8, 12, 13, 14, 15, 23, 24, & 25]

Claims 5, 6, 7, 8, 12, 13, 14, 15, 23, 24, 25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 9-11, 16-22, 26-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Ando (US 6,456,783).

[claims 1 & 9]

In regard to Claim 1, Ando discloses a recording medium on which content stream data is recorded as a stream object (Figure 1), comprising: one or more stream object units recording the content stream data, each having a predetermined size and one or more stream packs, each of the stream packs having at least part of an application time stamp indicating reproducing time information and an application packet (Figure 1 and described in Column 4 Lines 45+); corresponding to the application time stamp, in which

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the content stream data is packed (Figure 1 modified time stamp MTS as described in Column 5 Lines 15-20); wherein each of the stream object units recording the content stream data, excluding a last stream object unit, has at least one entire application time stamp (Column 8 Lines 37+ describes the time map).

[claims 2, 11, &19]

In regard to Claims 2, 11, and 19, Ando discloses a recording medium of claim 1, wherein a size of the application packet is small enough so that each of the stream object units excluding the last stream object unit includes at least one entire application time stamp (Column 2 Lines 49+).

[claim 3]

In regard to Claim 3, Ando discloses a recording medium of claim 2, wherein the last stream object unit has a stuffing packet for correction, which includes a predetermined time stamp, said stuffing packet is recorded continuously after a last application packet in the stream object (Column 9 Lines 45+ describes stuffing packet for correction).

[claim 4]

In regard to Claim 4, Ando discloses a recording medium of claim 3, wherein the predetermined time stamp is obtained by adding an integer to an application time stamp (Column 5 Lines 7-20 describes the predetermined time stamp).

[claims 10, 16, 18, 26, & 29]

In regard to Claims 10, 16, 18, 26, and 29, Ando discloses a recording apparatus recording a stream object formed with at least one stream object unit recording content stream data and having one or more stream packs, each of the stream packs having at

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least part of an application time stamp indicating reproducing time information and an application packet, corresponding to the application time stamp, in which the content stream data is packed, the recording apparatus comprising: a control unit generating a mapping list as search information (Column 32 Lines 48+ describes a reproducing time and application time stamp); a clock generation unit generating a clock value (Column 32 Lines 20+ describes the clock value through time management); a buffer unit buffering input content stream data, adding the clock value provided by the clock generation unit to the input content stream data, and outputting a result; a Stream Object Unit (SOBU) generating unit packing the content stream data output from the buffer unit and generating the stream object units recording the content stream data so that each of the stream object units, excluding a last stream object unit, includes at least one entire application time stamp (Column 32 Lines 48+ describes the stream object unit); and a recording unit recording the generated stream object units for the recording and the mapping list (Column 33 Lines 1-35).

[claims 17, 28, & 30]

In regard to Claims 17, 28, and 30, Ando discloses a recording apparatus of claim 16, wherein each of the stream object units, excluding a last stream object unit, includes at least one entire application time stamp, the SOBU generation unit makes the last stream object unit include the stuffing packet for correction, and the last stream object unit records the stuffing packet for correction continuously after a last application packet included in the stream object (Column 32 Lines 48+ describes the stream object unit).

[claim 20]

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In regard to Claim 20, Ando discloses a recording apparatus of claim 19, wherein the search information includes a mapping list (Figure 19 shows the mapping list of search information).

[claim 21]

In regard to Claim 21, Ando discloses a recording apparatus of claim 18, wherein the control unit generates search information by regarding a value which is obtained by adding an integer to an integer part of an application time stamp of a last stream pack in the stream object, as the value of the predetermined application time stamp (Column 32 Lines 20+ describes the search information regarding a value for adding an integer).

[claim 22]

In regard to Claim 22, Ando discloses a recording apparatus of claim 21, wherein a size of the application packet is small enough so that each of the plurality of stream object recording units, excluding a last stream object recording unit, includes one entire application time stamp (Column 32 Lines 50+ describes the mapping information).

[claim 27]

In regard to Claim 27, Ando discloses a reproducing apparatus of claim 26, wherein the search information includes an Incremental Application Packet Arrival Time (Column 32 Lines 48+ describes the packet arrival time of the search information).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Moriyama et al (US 5,537,409);

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- Noda (US 2001/0028655
- Watanabe et al (US 6,310,897).

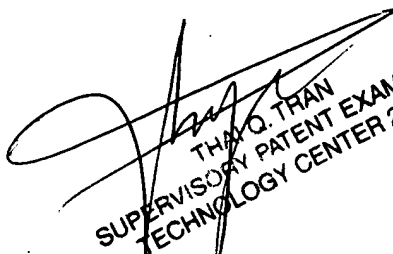
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jamie Vent whose telephone number is 571-272-7384.

The examiner can normally be reached on 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thai Tran can be reached on 571-272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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